



Contract No. 9682	Station n/a	Mile/Line: I-90 / I-182	C/S n/a
Staked by n/a	Date	Work Started Date	Work Completed Date
Calculated by E. Knudson	Date 12/14/2021	Checked by Dean A. Long	Date 12/14/2021
Inspector n/a		Date	

MOH Item 902
Item 7 - Cantilever Sign Structure No. 1

This FNR makes payment for the materials associated with Item 7.
Payment has been authorized by Clint Bucknell, Chief Inspector.
See attached for additional information.

Item Num	Material Brand Name/Model Type	Manufacturer	Brand Name/Model Type	RAMS/QPL Ref. No.	Appr/Acc Code	Basis of Accept
					/	

Item Num	Item Description	Grp	Date Work Complete	Unit	Quantity	Ledger Entry No.	Posted By		Checked By		Est. No.
							Init.	Date	Init.	Date	
0902	MOH ITEM 902 - ITEM 7 - CANTILEVER SIGN STRUCTURE NO. 1	90	12/20/20...	EST.	3,273.46	007	EK	01/03/22	DKM	01/04/22	2

Attachments



Item 7 and 8 - Rainier Welding #18801.pdf
Adobe Acrobat Document
1.65 MB



Rainier Welding LLC
 12441 Bartholomew RD,
 Anacortes WA 98221
 425-868-1300

Invoice

Bill To
Northeast Electric LLC 1780 Down River Drive Woodland WA 98674

Date	Invoice #
11/30/2021	18801

Rainier Welding has expanded operations!
 Please remit all payments to 12441 Bartholomew
 RD, Anacortes WA 98221.
 Thank you!

P.O. Number & Project	Terms	RW Project No.
1969 WSDOT 9682	Net 30	21-3333

Description	Total - 100%	Amount
JOB 14244 / I-90 / SR18 & I-82/ Argent Rd.		
Cantilever 1		0.00
Material	0.12124	3,273.46
Cantilever 2		
Material	0.12124	3,273.46

BI 7 = \$3,273.46
BI 8 = \$3,273.46

Subtotal	\$6,546.92
Sales Tax (0.0%)	\$0.00

Balance Due	\$6,546.92
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For questions or billing inquiries please contact
 Ashley Henson - Ashley@rainierwelding.com

Rainier Welding

19020 N.E. 84TH Street
 Redmond, WA 98053
 Phone: 425-868-1300

APPLICATION NUMBER 2
 APPLICATION DATE November 30th 2021
 PERIOD TO November 30th 2021



I-90 / SR18 & I-82/Argent Rd.

WSDOT # 9682

PO 1969

RW PROJECT NO: 21-3333

Northeast Electric LLC 1780 Down River Dr. Woodland
 Wa. 98674

ITEM	DESCRIPTION	UNIT	SCHEDULED VALUE	Oct	Nov	Dec	Jan	Feb	TOTAL BILLING	%
	Cantilever 1									
1	Detailing		\$7,025.00	\$7,025.00					\$7,025.00	100%
2	Material		\$27,000.00		\$3,273.46				\$3,273.46	12%
3	Labor		\$35,000.00						\$0.00	0%
4	Cantilever 2									
5	Detailing		\$7,025.00	\$7,025.00					\$7,025.00	100%
6	Material		\$27,000.00		\$3,273.46				\$3,273.46	12%
7	Labor		\$35,000.00						\$0.00	0%
	Total Base Contract		\$138,050.00	\$14,050.00	\$6,546.92	\$0.00	\$0.00	\$0.00	\$20,596.92	14.92%
	Approved Change Orders									
1									\$0.00	#DIV/0!
									\$0.00	#DIV/0!
									\$0.00	#DIV/0!
									\$0.00	#DIV/0!
	Total Change Order		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!
	Total Project		\$138,050.00	\$14,050.00	\$6,546.92	\$0.00	\$0.00	\$0.00	\$20,596.92	14.92%

Awarding Agency Contract No. and Title Washington State Department of Transportation/Contract # 9682 I-90 / SR18 & I-82/Argent Rd.	
Contractor Northeast Electric, LLC	
Subcontractor	
Manufacturer / Supplier Rainier Welding	
Materials: Bid Item No. / Bid Item Description 3/4 x 28 and 1/2x30 PLATE, 2" Rebar , 2" Nuts, Bolts and Washers	Quantity 172
Material Description 3/4x28, 1/2x30 Plate and 2" Rebar, 2" Nuts, Bolts and Washers. Anchor Bolts with Embed Plates	

The following Certification of Materials Origin is made for the purposes of establishing materials acceptance under Contract Provisions entitled "Buy America." Materials as described above are furnished for use in compliance with the certification as noted in 1 or 2 below. Manufacturing processes for the materials are defined on the back of this form.

- 1. The materials covered by this certification are American-Made with all manufacturing processes entirely within the United State of America.
- 2. The materials furnished for this project under this certification contain steel or iron manufactured, all or in part, outside the United States of America, as indicated below.

The Description of these materials and the Country of Origin of these materials is a follows:
Anchor Bolts Assemblies. Embed Plates and Threaded Rods with Nuts.

The Invoice Cost for the above described foreign-made materials is:
\$0

I declare under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

Rainier Welding

Contractor / Subcontractor / Manufacturer / Supplier Name


Authorized Corporate Official Signature

11/30/21

Date

19020 NE 84th St. Redmond, WA

Place

The following items are considered to be Steel or Iron Manufacturing Processes

1. Any process from the original reduction from ore to the finished product constitutes a manufacturing process for iron. Foreign source steel ingots or foreign source steel billets used in any manufacturing process of a steel product is considered foreign steel under the Buy America Provision.
2. Production of Steel by any of the following processes:
 - a. Open Hearth Furnace.
 - b. Basic Oxygen.
 - c. Electric Furnace.
 - d. Direct Reduction.
3. Rolling, heat treating, and any other similar processing.
4. Fabrication of the products:
 - a. Spinning wire into cable or strand.
 - b. Corrugating and rolling into culverts.
 - c. Shop fabrication.
5. Protective coatings such as zinc, aluminum, epoxy, paint, or any other coating that protects or enhances the value of steel or iron.
6. Due to a nationwide waiver, Buy America does not apply to raw materials (iron ore and alloys), scrap (recycled steel or iron), and pig iron or processed, pelletized, and reduced iron ore.



19020 NE 84th Street
Redmond, WA 98053

Purchase Order

PO #: 3333-001

19020 N.E. 84th Street
Redmond, WA 98053
Phone: 425-868-1300

Page 1 of 1
10/20/2021 4:09:32 PM

Order Date:	Ordered By:	F.O.B.:	Order Type:	Ship Via:	Terms:
10/19/2021	Tonya Kaschmitter	Destination	Regular	Truck/Common Carrier	Net 30 days

Confirmed By: Josh Winograd

Platte Anchor Bolt, Inc
Attn: Josh Winograd
4950 Jackson Street
Denver, CO 80216
Phone: 303-321-5100
Fax: 303-321-5110

Ship To:
Rainier Welding
19020 NE 84th Street
Redmond, WA 98053
Phone: 425-868-1300

Bill To:
Rainier Welding
Bldg. #3
12441 Bartholomew
Anacortes, WA 98221
Phone: 425-868-1300

Melted & Manufactured in the USA

Qty	Dimensions	Length	Grade	Job #	Code	Weight	Unit Cost	Cost
1	96 NU 2		A563-DH	21-3333 I- USA	90 SR18	278#	\$0.00/Item	\$0.00
2	24 ROD 2	4'-4	F1554-105	21-3333 I- USA	90 SR18	1,112#	\$215.00/Item	\$5,160.00
3	48 WA 2		F436	21-3333 I- USA	90 SR18	0#	\$0.00/Item	\$0.00
						1,390#		

Hard Copy MTR's to accompany delivery
All MTR/Certs to be sent to: Certs@RainierWelding.com
All Invoices to be sent to: Accounting@RainierWelding.com

Sub-Total:	\$5,160.00
Total Tax:	\$0.00
Freight:	\$375.00
Total Price:	\$5,535.00
Terms Discount:	\$0.00
Total Less Terms Discount:	\$5,535.00

Anchor Bolts, Nuts, Washers



4950 Jackson Street, Denver, CO 80216
Office: (303) 321-5100 Fax: (303) 321-5110

CERTIFICATE OF COMPLIANCE

This is to certify that the indicated items on your
PO# 3333-001 , our Invoice# 177355
comply with the stated specifications

Customer: Rainier Welding
WSDOT Contract# 9682 Job: I90SR18

ITEM NO.	QUANTITY	HEAT / LOT #	DESCRIPTION	SPECIFICATION
1	24	75079868	2" x 52" Anchor Rod HDG	F1554 Gr.105
2	96	30518-75066011	2" Hev Hex Nut HDG	A563 Gr.DH
3	48	101591	2" Washer HDG	F436
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

I herein certify this information is true to the best of my knowledge

Signature:

Jordan Winograd

11/3/2021

Jordan Winograd

OK MSJ

KREHER STEEL COMPANY, LLC.

PLATTE ANCHOR BOLT CO.
HOT ROLLED ROUNDS 4140QT F1554/GR105
2.0000 X 24"3"
PART NO.

PO/Rel 167799
I hereby certify that this data is correct as
contained in the records of this company.
I hereby certify that no mercury came in contact

Certificate of Mill Test Results

SO 1 -347304-001
with or no weld repair was done to this product
while in our possession.
Attn:

2Jul20
Pg 1/4



GERDAU SPECIAL STEEL NORTH AMERICA
5591 MORRILL ROAD
JACKSON, MICHIGAN 49201 USA

CERTIFIED MATERIAL TEST REPORT

CUSTOMER ORDER NUMBER	CUSTOMER PART NUMBER	HEAT NUMBER	WORK ORDER NUMBER	DATE
59616		75079868	337764 101	5/12/20

240mm Bloom

REPORT TO

SHIP TO

KREHER STEEL
1550 N 25TH AVE

KREHER - CUSTOMER PICK UP

MELROSE PARK , IL 60160

ORDERED

GRADE	SIZE	LENGTH
4140QT	2" RND	24' 3"

CUSTOMER SPECIFICATIONS
A29/A29M-16; A322-13; A193-19 GR B7; A434/A434M-18 CL BC;VD

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Ni	Cr	Mo	Cu	Sn	Al
0.42	0.85	0.006	0.021	0.24	0.10	1.00	0.16	0.22	0.008	0.023
V	Nb									
0.002	0.002									

GRAIN SIZE SPECIFICATION ASTM E112 FINE GRAIN 5-8

HARDNESS SPECIFICATION ASTM E10 AFTER Q&T

SURFACE
294.0

Anchor Rods

OK MISS

PAGE 1

We certify that these data are correct and in compliance with specified requirements.

Gerdau Monroe
3000 East Front Street
Monroe, MI 48161

Patrick Doyle
Patrick Doyle
Pat.Doyle@Gerdau.com
Quality Assurance Representative

CONTINUED ON PAGE 2

KREHER STEEL COMPANY, LLC.

PLATTE ANCHOR BOLT CO.
HOT ROLLED ROUNDS 4140QT F1554/GR105
2.0000 X 24'3"
PART NO.

PO/Rel 167799
I hereby certify that this data is correct as
contained in the records of this company.
I hereby certify that no mercury came in contact

Certificate of Mill Test Results

SO 1 -347304-001
2Jul20
Pg 2/4
with or no weld repair was done to this product
while in our possession.
Attn:



GERDAU SPECIAL STEEL NORTH AMERICA
5591 MORRILL ROAD
JACKSON, MICHIGAN 49201 USA

CERTIFIED MATERIAL TEST REPORT

CUSTOMER ORDER NUMBER 59616	CUSTOMER PART NUMBER	HEAT NUMBER 75079868	WORK ORDER NUMBER 337764 101	DATE 5/12/20
--------------------------------	----------------------	-------------------------	---------------------------------	-----------------

240mm Bloom

REPORT TO

SHIP TO

KREHER STEEL
1550 N 25TH AVE

KREHER - CUSTOMER PICK UP

MELROSE PARK, IL 60160

ORDERED

GRADE 4140QT	SIZE 2"	RND	LENGTH 24' 3"
-----------------	------------	-----	------------------

CUSTOMER SPECIFICATIONS
A29/A29M-16; A322-13; A193-19 GR B7; A434/A434M-18 CL BC;VD

HARDENABILITY SPECIFICATION ASTM A255/A304

THEORETICAL

J1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20	22	24	26	28	30	32	34
57	57	57	57	57	57	56	54	53	52	50	49	48	47	46	45	44	43	43	41	41	39	39	37	

MICROCLEANLINESS SPECIFICATION ASTM E45 METH A

	A		B		C		D	
	T	H	T	H	T	H	T	H
WORST CASE	2.5	0.5	1.0	0.5	0.5	0.0	1.0	0.5

MACROSTRUCTURAL TEST PER - ASTM E381

PLATE I

	S	R	C
FRONT	1	1	1
MIDDLE	1	1	1
BACK	1	1	1

PHYSICALS SPECIFICATION ASTM E8/A370 AFTER Q&T

02.0 IN

TENSILE KSI YIELD KSI % ELONGATION REDUCTION OF AREA

Anchor Rods

OK MSS

PAGE 2

We certify that these data are correct and in compliance with specified requirements.

Gerdau Monroe
3000 East Front Street
Monroe, MI 48161

Patrick Doyle
Patrick Doyle
Pat.Doyle@Gerdau.com
Quality Assurance Representative

CONTINUED ON PAGE 3

KREHER STEEL COMPANY, LLC.

PLATTE ANCHOR BOLT CO.

HOT ROLLED ROUNDS 4140QT F1554/GR105

2.0000 X 24'3"

PART NO.

PO/Rel 167799

I hereby certify that this data is correct as contained in the records of this company.

I hereby certify that no mercury came in contact

Certificate of Mill Test Results

SO 1 -347304-001

2Jui20

Pg 3/4

with or no weld repair was done to this product

while in our possession.

Attn:



GERDAU SPECIAL STEEL NORTH AMERICA
5591 MORRILL ROAD
JACKSON, MICHIGAN 49201 USA

CERTIFIED MATERIAL TEST REPORT

CUSTOMER ORDER NUMBER	CUSTOMER PART NUMBER	KEY NUMBER	WORK ORDER NUMBER	DATE
59616		75079868	337764 101	5/12/20

240mm Bloom

REPORT TO

SHIP TO

KREHER STEEL
1550 N 25TH AVE

KREHER - CUSTOMER PICK UP

MELROSE PARK , IL 60160

ORDERED

GRADE	SIZE	SHAPE	LENGTH
4140QT	2"	RND	24' 3"

CUSTOMER SPECIFICATIONS
A29/A29M-16; A322-13; A193-19 GR B7; A434/A434M-18 CL BC;VD

148.0	136.0	21.0	60.0
147.0	135.0	20.7	61.0
148.0	135.0	21.5	61.0
146.0	131.0	22.4	60.0
148.0	135.0	20.1	57.0

DI CALCULATION SPECIFICATION CAT 1E0024

5.14

CHARPY IMPACT SPECIFICATION ASTM E23 AFTER Q&T

TEMPERATURE LONGITUDINAL F TRANSVERSE F

20- F	56.0
20- F	58.0
20- F	58.0

OK MSS

QUENCH TIME,TEMP,ME

TREATMENT	TEMP F	TIME (MIN.)	MEDIA
AUSTENIZE	1645	1.20	
QUENCH	0	0.00	WATER
TEMPER	1435	1.20	

Anchor Rods

PAGE 3

We certify that these data are correct and in compliance with specified requirements.

Gerdau Monroe
3000 East Front Street
Monroe, MI 48161

Patrick Doyle
Patrick Doyle
Pat.Doyle@Gerdau.com
Quality Assurance Representative

CONTINUED ON PAGE 4

KREHER STEEL COMPANY, LLC.

PLATTE ANCHOR BOLT CO.
HOT ROLLED ROUNDS 4140QT F1554/ GR105
2.0000 X 24' 3"
PART NO.

PO/Rel 167799
I hereby certify that this data is correct as
contained in the records of this company.
I hereby certify that no mercury came in contact

Certificate of Mill Test Results

SO 1 -347304.001
with or no weld repair was done to this product
while in our possession
Attn:

2Jul20
Pg 4/4



GERDAU SPECIAL STEEL NORTH AMERICA
5591 MORRILL ROAD
JACKSON, MICHIGAN 49201 USA

CERTIFIED MATERIAL TEST REPORT

CUSTOMER ORDER NUMBER	CUSTOMER PART NUMBER	HEAT NUMBER	WORK ORDER NUMBER	DATE
59616		75079868	337764 101	5/12/20

240mm Bloom

REPORT TO

SRTP TO

KREHER STEEL
1550 N 25TH AVE

KREHER - CUSTOMER PICK UP

MELROSE PARK , IL 60160

ORDERED

GRADE	SIZE	SHAPE	LENGTH
4140QT	2"	RND	24' 3"

CUSTOMER SPECIFICATIONS
A29/A29M-16; A322-13; A193-19 GR B7; A434/A434M-18 CL BC;VD

REDUCTION RATIO

RATIO- 28.4 TO 1.0

EN 10204 (2004) 3.1; ASTM F1554-16 GRADE 105 SUPPLEMENT 4;
ASTM E381-17; ASTM A304-16; ASTM E45-18A; VACUUM DEGASSED

**** MATERIAL 100% MELTED AND MANUFACTURED IN THE U.S.A. BY THE ELECTRIC
ARC FURNACE AND CONTINUOUS CASTING METHOD. THE PRODUCT HAS NOT
BEEN REPAIRED BY WELDING AND THIS MATERIAL HAS NOT BEEN EXPOSED
TO MERCURY OR TO ANY OTHER METAL ALLOY THAT IS LIQUID AT AMBIENT
TEMPERATURES DURING PROCESSING OR WHILE IN OUR POSSESSION. GERDAU MONITORS
ALL INCOMING SCRAP AND ALL HEATS OF STEEL TO ENSURE THAT PRODUCTS SHIPPED
ARE FREE OF RADIOACTIVE MATERIAL. MATERIAL IS 100% RECYCLABLE.**

CL MISS

Anchor Rods

PAGE 4 OF 4

We certify that these data are correct and in compliance with specified requirements.

Gerdau Monroe
3000 East Front Street
Monroe, MI 48161

Patrick Doyle
Patrick Doyle
Pat.Doyle@Gerdau.com
Quality Assurance Representative



UNYTITE INC.
 INNOVATIVE FASTENING SYSTEMS

Unytite, Inc.
 One Unytite Drive
 Peru, IL 61354
 Tel 815-224-2221
 Fax 815-224-3434

INSPECTION CERTIFICATE

Job No: 30518

Job Information

Certified Date: 9/27/19

Customer: PLATTE ANCHOR BOLT

Ship To:
 Denver, CO

Customer Part No:

Customer PO No: 175078

Lot Number: 30518-75066011

Shipped Qty:
 480

Part Information

Part No: A563 2-4 5 +0.031 DH HHN HDG, Blue Dye



Description: ASTM A563 2"-4.5 +0.031 Heavy Hex Nut Grade DH
 Hot Dipped Galv

Manufactured Quantity: 1,108

Applicable Specifications

Specification	Amend	Specification	Amend
ASME B1 1	2003	ASME B18 2 2	2015
ASME B18 2 6	2011	ASTM A563	2015
ASTM F2329/F2329M	2015	ASTM F606/606M	2016
ASTM F812	2017		

Test Results

Test No: 20614 Test: A563 DH Mechanical Properties

Description	Hardness (HRC)	Tempering Temp (800 degree F Min)	Proof Load (Pass ASTM Min LBS)	Shape & Dimension ASME B18.2.2	Thread Precision ASME B18.1.1	Visual ASTM F812
Sample Inspection	29.06	1,031	437,500	Pass	Pass	Pass

Certified Chemical Analysis

Heat No
 75066011

Grade
 1045

Manufacturer
 Ohio Star Forge Co

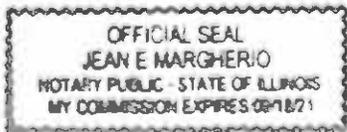
Notes

All tests are in accordance with the latest revisions of the methods prescribed in the applicable SAE and ASTM Specifications

The samples tested conform the specifications as described/listed above and were manufactured free of mercury contamination and there is no welding performed in the production of the products. No heats to which Bismuth, Selenium, Tellurium, or Lead was intentionally added have been used to produce products.

The steel was melted and manufactured in the U.S.A and the product was manufactured and tested in the U.S.A

We certify that this data is true representation of information provided by the material supplier and our testing laboratory. This certified material test report relates only to the items listed on this document and may not be reproduced except in full.



Chris Thorsen

Thorsen, Chris - Supervisor Quality

9/27/19

Date

Anchor Rods
OK MSS



GERDAU SPECIAL STEEL NORTH AMERICA
5591 MORRILL ROAD
JACKSON, MICHIGAN 48201

CERTIFIED MATERIAL TEST REPORT

CUSTOMER ORDER NUMBER P006688-1	CUSTOMER PART NUMBER B1045SC55MM	HEAT NUMBER 75066011	WORK ORDER NUMBER 309497 101	DATE 4/28/17
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210mm Billet

REPORT TO

SHIP TO

UNYTITE INC
ONE UNYTITE DRIVE

OHIO STAR FORGE

4000 MAHONING AVENUE NW

PERU, IL 61354-9710

WARREN, OH 44483

ORDERED

GRADE 1045	SIZE 55 MM RND	LENGTH 29' 10 1/2"
----------------------	--------------------------	------------------------------

CUSTOMER SPECIFICATIONS
SAE 1045; ASTM E381-01; RMS 021 DATED 9/28/06

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Ni	Cr	Mo	Cu	Sn	Al
0.44	0.75	0.013	0.029	0.24	0.12	0.19	0.04	0.26	0.012	0.003
V	Nb									
0.058	0.002									

GRAIN SIZE SPECIFICATION ASTM E112 FINE GRAIN 5-8

MICROCLEANLINESS SPECIFICATION ASTM E45 METH A

AVERAGE	A		B		C		D	
	T	H	T	H	T	H	T	H
	2.6	0.3	1.3	0.0	0.5	0.0	0.8	0.3

MACROSTRUCTURAL TEST PER ASTM E381

PLATE I

	S	R	C
FRONT	1	1	1
MIDDLE	1	1	1

CA 115 S

Notes

PAGE 1

We certify that these data are correct and in compliance with specified requirements

Gerdau Monroe
3000 East Front Street
Monroe, MI 48161

Patrick Doyle Patrick Doyle
Quality Assurance Representative

CONTINUED ON PAGE 2



GERDAU SPECIAL STEEL NORTH AMERICA
5581 MORRILL ROAD
JACKSON, MICHIGAN 49201

CERTIFIED MATERIAL TEST REPORT

CUSTOMER ORDER NUMBER P006688-1	CUSTOMER PART NUMBER B1045SC55MM	HEAT NUMBER 75066011	WORK ORDER NUMBER 309497 101	DATE 4/28/17
---	--	--------------------------------	--	------------------------

210mm Billet

REPORT TO

SHIP TO

UNYTITE INC
ONE UNYTITE DRIVE

OHIO STAR FORGE

4000 MAHONING AVENUE NW

PERU , IL 61354-9710

WARREN , OH 44483

ORDERED

GRADE 1045	SIZE 55.MM RND	LENGTH 29' 10 1/2"
----------------------	--------------------------	------------------------------

CUSTOMER SPECIFICATIONS
SAE 1045; ASTM E381-01; RMS 021 DATED 9/28/06

BACK 1 1 1

DECARB SPECIFICATION ASTM E1077

F TOTAL= 0.016

REDUCTION RATIO

RATIO= 18.5 TO 1.0

RESIDUAL MAX SPECIFICATION RMS 021

Ni+Cr = 0.3100

O/K MSS

** MATERIAL 100% MELTED AND MANUFACTURED IN THE U.S.A. BY THE ELECTRIC ARC FURNACE AND CONTINUOUS CASTING METHOD. THE PRODUCT HAS NOT BEEN REPAIRED BY WELDING AND THIS MATERIAL HAS NOT BEEN EXPOSED TO MERCURY OR TO ANY OTHER METAL ALLOY THAT IS LIQUID AT AMBIENT TEMPERATURES DURING PROCESSING OR WHILE IN OUR POSSESSION. GERDAU MONITORS ALL INCOMING SCRAP AND ALL HEATS OF STEEL TO ENSURE THAT PRODUCTS SHIPPED ARE FREE OF RADIOACTIVE MATERIAL.

Nuts

PAGE 2 OF 2

We certify that these data are correct and in compliance with specified requirements.

Gerdau Monroe
3000 East Front Street
Monroe, MI 48161

Patrick Doyle Patrick Doyle
Quality Assurance Representative

Universal Galvanizing, Inc.

510 E. South 1ST St.
Wright City, Missouri 63390

Phone:(636)791-2016 Fax:(636)745-0667

Date: 8-20-19

RE: GALVANIZING CERTIFICATE
UNYTITE, INC.
PO# P008738

QUANTITY	PART NUMBER/DESCRIPTION	LOT NUMBER	COATING THICKNESS
135,317 PCS	M180 5/8-11+0.031 DOUBLE RECESS GUARD RAIL NUT	31185-190519	3.4 AVG. MILS
935 PCS	A325 1 1/2-6 X 6 1/2 HEAVY HEX BOLT	30986-75076577	3.4 AVG. MILS
174 PCS	A325 1 1/2-6 X 7 1/2 HEAVY HEX BOLT	30988-75076577	3.4 AVG. MILS
151 PCS	A325 1 1/2-6 X 8 1/2 HEAVY HEX BOLT	30989-75076577	3.4 AVG. MILS
2,392 PCS	A563 2-4.5+0.031 GRADE DII	30518-75066011	3.4 AVG. MILS

THIS WILL CERTIFY THAT THE MATERIAL GALVANIZED ON THE ABOVE JOB MEETS ASTM F2329 SPECIFICATIONS. THIS MATERIAL WAS GALVANIZED IN THE USA AT UNIVERSAL GALVANIZING INC IN WRIGHT CITY, MO AT A ZINC BATH TEMPERATURE OF 840° WITH A PLUS MINUS VARIANCE OF 5°. THE MATERIALS ITEMIZED IN THIS SHIPMENT ARE CERTIFIED TO BE IN COMPLIANCE WITH THE APPLICABLE ASTM STANDARDS AND THE IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, IMs AND MEET THE BUY AMERICA REQUIREMENTS AS DESCRIBED IN IM 107 FOR ALL STEEL, IRON PRODUCTS AND COATINGS.

OK MS5

Joseph Jokisch

Joseph Jokisch, Quality/ Shipping & Receiving

Nuts



Wrought Washer Mfg., Inc
 1901 Chicory Road
 Mount Pleasant, WI 53403

Certificate Of Conformance

Date:
 Certification To: Platte Anchor Bolt
 4950 Jackson St.
 Denver, CO 80216
 USA

Part info

PO No Revision:
 Customer Part No: 017375
 Part Name: 2" F436 S MARK HDG
 Quantity: 2,100
 Supplier:
 Master Unit No(s): M055530

Customer Part Rev Level:
 Customer PO No: 174961

Line No: 3

Piece List:
 Tracking No(s): 1492506 mc2561125
 Wrought Washer Mfg., Inc. Part No: 017375
 Heat/Lot No(s): 101591
 Shipper No: WW19208
 Job No(s): 14777

ht order 9681

Revision:

Supplier Nucor Steel	Heat No 101591	Attachment 101591
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We hereby certify that the subject parts conform to the purchase order and any applicable specification indicated above. We further certify that all hardening and/or plating meet full purchase order specification requirements.

We hereby certify that all statutory requirements as to American Production and Labor Standards and all conditions of purchase applicable to the transaction have been complied with and that the subject parts were manufactured in the USA.

Washers

OK MISS



Samuel Johnson

Signature of Quality Director

Date



Wrought Washer Mfg., Inc
2100 South Bay Street
Milwaukee, WI 53207
Tel 414-744-0771

Material Certification

Customer: Platte Anchor Bolt
Ship To: Platte Anchor Bolt
Customer PO No: 174961
Wrought Washer Mfg., Inc. Order No: 17346
Order Line: 3
Wrought Washer Mfg., Inc. Part No: 017375
Customer Part No: 017375
Shipped Qty: 2,100
Heat: 101591
Heat Code: 101591
Grade: 1035
Note: Melted and rolled in the USA

Material Specification Type	Material Specification	Actual
Chemistry	C	0.35 %
	Mn	0.85 %
	P	0.008 %
	S	0.002 %
	Si	0.248 %
	Cu	0.077 %
	Ni	0.045 %
	Cr	0.056 %

We hereby certify that chemical analysis and/or physical characteristics shown are a true copy of original test reports on file with us from the producing source covering the heat or lot from which this material was taken.

Washer

OK MSS



Inspection Report

AZZ Galvanizing (Rockford)

Customer: WROUGHT WASHER MFG INC

AZZ Job #: 21050261
 PO #: 017909
 AZZ Order #: 480019900
 Shipped Date: 05/24/2021

QC Checklist

Condition	Accepted
Smooth & Uniform	Y
No Damage	Y
No Tears & Spikes	Y
No Bare Areas	Y
No Blisters	Y
No Flux Deposits	Y
No Dross Inclusions	Y
Holes Clean	Y
Passes Thickness Test	Y

Readings

Elcometer Serial Number: E-456/4 WA05965

Total Readings: 41 Average: 3.73

5694 PCS	(3.750 OD - 2.125 ID - .187 THK) 2" S MARKWWIC#017375 WWIC#017375 SN#S1065207 JOB#14777	Nbr of Readings: 41	Average: 3.73
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2.51	4.01	4.09	4.36	2.83	3.27	3.74	3.92	4.81	4.70	3.31	4.06	4.00	4.86	
3.08	2.55	4.11	4.67	4.15	4.41	3.77	3.18	3.66	5.60	4.13	4.13	4.45	3.16	5.00
2.48	2.60	4.08	2.27	3.15	2.76	2.78	3.82	4.06	5.50	2.56	2.39			

WE CERTIFY THAT THE ABOVE SIZES AND LOT NUMBERS WERE GALVANIZED IN ROCKFORD, IL USA AND MEET SPECS ASTM A153 CLASS C.

WE CERTIFY THAT THE ABOVE SIZES & LOT'S COMPLY W/ THE COATING, WORKMANSHIP, FINISH & APPEARANCE OF ASTM F2329. THE GALVANIZING PROCESS WAS CONDUCTED IN A TEMPERATURE RANGE OF 830F TO 850F. THIS PRODUCT WAS GALVANIZED IN THE USA

OK M5S

Inspected By: Gutierrez, Aaron J

Date: 05/21/2021

Washer

Standard Heat Treating, LLC

Order No.: 239087

Certification

Date: 03/26/2021

Entry Date: 02/26/2021

Page: 1 of 1

To:

Wrought Washer Mfg., Inc
2100 South Bay Street

Milwaukee WI 53207

Purchase Order No.: 9681

Packing List No.:

Material: 1036

Standard Heat Treating certifies the listed results of inspection and testing to accurately reflect the processes performed and data obtained as a result of our heat treatment of the specified product.

Quantity	Part Number / Part Name / Part Description	Pounds
16,680	017376 Heat 872431,S882748,S882747	5980

Insp. Type	Scale	Minimum	Maximum	Number	Other
Customer Requirements:					
Test	RC	38.	42.		38-42 HRC

Austenitized, Quenched and Tempered to obtain a hardness of 39-42 HRC

C.K. MISS

Washer



John Christ
Quality Manager
Standard Heat Treating, LLC

Processed in the USA.

Alternate signature may include James Parkne (Dir., Customer Service) or Efrain Santoyo (Dir., Production) or Walter Santoyo (Plant Manager).

METALLURGICAL TESTING CERTIFICATION

K316570

NUCOR
Nucor Steel Indiana
4537 South Nucor Road
Crawfordsville, IN 47933-0907

Certificate Number: 906361
Date Issued: 12/04/2020

Page: 1 of 1

Order Number: 336690 - 0008 HOT ROLLED PICKLED & OILED
Order Dimensions: 0.1790 in X 48.0000 in
HRPO, MILL, 1035

Customer Name: WROUGHT WASHER MFG INC
Customer Address: 2100 S BAY ST

SAE J403-14 1035
ASTM A568-17A

Release Order: MILWAUKEE WI 53207
Cust PO Number: 011181

OK SS

Coil Number 2561125.000
Rockwell B: TAIL 88

Part Number M842188-20 TONS
Weight: 42,920 LBS

CHEMICAL ANALYSIS

Heat	Slab	C	Mn	P	S	Si	Cu	Sn	Ni	Cr	Mo	Al	N	V	Nb	Ti	B	Sb
101591	05	0.35	0.850	0.008	0.002	0.248	0.077	0.006	0.045	0.056	0.019	0.028	0.007	0.005	0.001	0.002	<0.0005	0.001

Washers

WE HEREBY CERTIFY THE ABOVE IS CORRECT AS CONTAINED IN THE RECORDS OF THE CORPORATION
MELTED AND ROLLED IN THE USA

Eric E. Gano
Eric E. Gano

QF-0261 04/01/2019

1-800-777-0950 MTR_IND_INQUIRIES@NUCOR.COM

NUCOR QUALITY ASSURANCE



General Letter of Compliance

Date: February 12, 2021

Company: Platte Anchor Bolt

Address:

City, State, Zip: Denver, CO

Attn: Josh Winograd

AZZ Galvanizing Services processes material to comply in all respects with the following ASTM Specifications.

ASTM A 123/A 123M (Latest Version)

ASTM A 153/A 153M (Latest Version)

ASTM F2329/F2329M (Latest Version)

AZZ Galvanizing Services Processing Plant: Commerce City, CO

A handwritten signature in black ink, appearing to read 'Blake Mitchell'.

Blake Mitchell
Plant Manager
AZZ Galvanizing

Washers

CK 1055



19020 NE 84th Street
Redmond, WA 98053

Purchase Order

PO #: 3333-002

19020 N.E. 84th Street
Redmond, WA 98053
Phone: 425-868-1300

Page 1 of 1
10/20/2021 3:59:00 PM

Order Date: 10/20/2021	Ordered By: Tonya Kaschmitter	F.O.B.: Destination	Order Type: Regular	Ship Via: Truck/Common Carrier	Terms: Net 30 days
------------------------	-------------------------------	---------------------	---------------------	--------------------------------	--------------------

Confirmed By: David Wax

Northwest Steel & Pipe, Inc
Attn: David Wax
P.O. Box 11247
Tacoma, WA 98411-0247
Phone: 253-473-8888
Fax: 253-473-2882

Ship To:
Rainier Welding
19020 NE 84th Street
Redmond, WA 98053
Phone: 425-868-1300

Bill To:
Rainier Welding
Bldg. #3
12441 Bartholomew
Anacortes, WA 98221
Phone: 425-868-1300

Melted & Manufactured in the USA

Qty	Dimensions	Length	Grade	Job #	Code	Weight	Unit Cost	Cost
1	CO Burning Charge		A36	21-3333 I-90 SR18		0#	\$130.00/Item	\$130.00
2	PL 1/2 x 30	3'-0	A36	21-3333 I- USA 90 SR18		306#	\$1.24/Lb	\$379.81
3	PL 3/4 x 28	2'-10	A36	21-3333 I- USA 90 SR18		405#	\$1.24/Lb	\$502.11
						711#		

Hard Copy MTR's to accompany delivery
All MTR/Certs to be sent to: Certs@RainierWelding.com
All Invoices to be sent to: Accounting@RainierWelding.com

Sub-Total:	\$1,011.93
Total Tax:	\$0.00
<hr/> Total Price:	\$1,011.93
Terms Discount:	\$0.00
Total Less Terms Discount:	\$1,011.93

Embed Plates

MILL TEST CERTIFICATE

Nucor Steel Tuscaloosa, Inc.
 1700 HOLT RD N.E.
 Tuscaloosa, AL 35404-1000
 800 800-8204
 customerservice@nucortusk.com

Load Number	Tally	Mill Order Number	PO NO Line NO	Part Number	Certificate Number	Prepared
R261213	00000000959781	N-185791-018	16085 18		S95978101-1	11/24/2020 04:17
Grade				Customer:		
Order Description: Hot Roll Plate From Coil A572/A709, 0.7500 IN x 96.000 IN x 240.000 IN				Sold TO: NORTHWEST STEEL AND PIPE Tacoma WA		
Quality Plan Description: A57250/A70950: ASTM A572-50-18/SA572-50/A709-50-18/M270-50				Ship TO: Northwest Steel & Pipe Tacoma WA		
				Sent TO:		

Shipped Item	Heat/Slab Number	Certified By	C	Mn	P	S	SI	Cu	Ni	Cr	Mo	Co	V	Al	Ti	N2	B	Ca	Sn	CEV	ACT
OK1531C	20A3265-04 ***	20A3265	0.05	1.18	0.013	0.003	0.06	0.22	0.06	0.09	0.023	0.004	0.049	0.036	0.002	0.009	0.0003	0.0031	0.009	0.30	
OK1531D	20A3265-04 ***	20A3265	0.05	1.18	0.013	0.003	0.06	0.22	0.06	0.09	0.023	0.004	0.049	0.036	0.002	0.009	0.0003	0.0031	0.009	0.30	

Shipped Item	Certified By	Heat/Slab Number	Yield ksi	Tensile ksi	Y/T %	ELONGATION %		Bend OK?	Hard HB	Charpy Impacts (ft-lbs)				Shear %				Test Temp				
						2"	8"			Size	1	2	3	Avg	1	2	3		Avg			
OK1531C	SOK1531FTT	20A3265-04 ***	53.4	67.0	79.7	44.3																
OK1531C	SOK1531MTT	20A3265-04 ***	59.0	65.4	90.2	39.5																
OK1531D	SOK1531FTT	20A3265-04 ***	53.4	67.0	79.7	44.3																
OK1531D	SOK1531MTT	20A3265-04 ***	59.0	65.4	90.2	39.5																

Items: 2 PCS: 8 Weight: 39205 LBS

Embed Plates

Mercury has not come in contact with this product during the manufacturing process nor has any mercury been used by the manufacturing process. Certified in accordance with EN 10204 3.1. No weld repair has been performed on this material. Yield strength is determined by the 0.2% offset method unless otherwise noted. Manufactured to a fully killed fine grain practice. NUTEMPER TEMPER PASSED plate from coil
 ISO 9001:2015 Registered, PED Certified

We hereby certify that the product described above passed all of the tests required by the specifications.

Qiulin Yu
 Dr. Qiulin Yu - Metallurgist

*** indicates Heats melted and Manufactured in the U.S.A.